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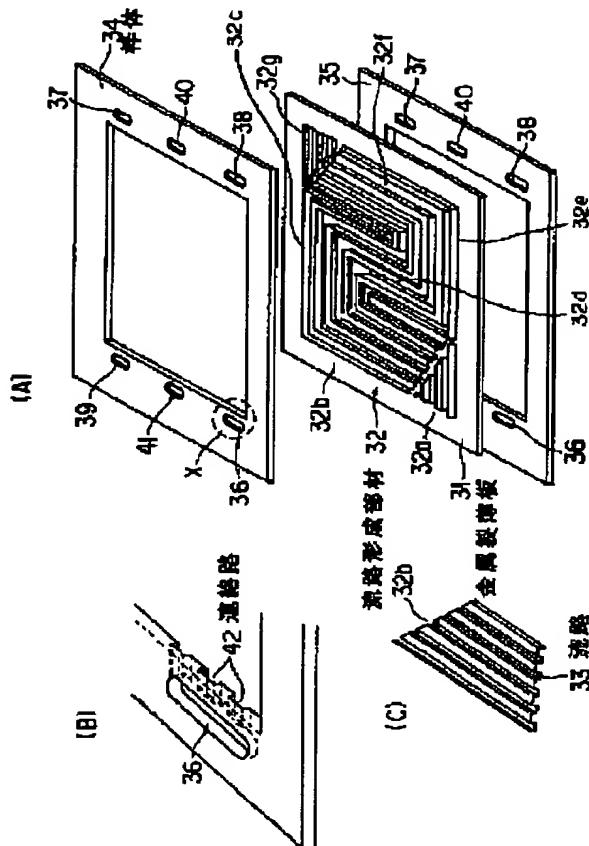
APPLICATION DATE : 07-05-99
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APPLICANT : MITSUBISHI HEAVY IND LTD;

INVENTOR : MORIGA TAKUYA;

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TITLE : SEPARATOR FOR FUEL CELL AND
MANUFACTURING DEVICE THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To evenly supply the reaction gas, raise the gas flow speed for eliminating the produced water, and provide electrical conductivity in the thickness direction.

SOLUTION: This separator is arranged between unit cells in a fuel cell stack formed by layering plural unit cells having electrodes arranged on both sides of a solid high molecular film. One side surface of the separator is provided with a fuel gas flow passage for supplying the fuel gas to the adjacent unit cell, and the other side surface is provided with an oxidant gas flow passage for supplying the oxidant gas to the other adjacent unit cell. This separator for fuel cell is provided with a metal thin plate 31, flow passage forming members 32 worked into a rectangular or corrugation and arranged on both sides of the metal thin plate 31, and frame bodies 34, 35 for holding these flow passage forming members 32 in the metal thin plate 31.

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